Chapter 16 Determine Cut/Fill Volumes

With a completed MX design, you can generate cut/fill volumes, and aggregate subbase course quantities for your project using the input file method:

- **The Input File Method**

The Input File Method

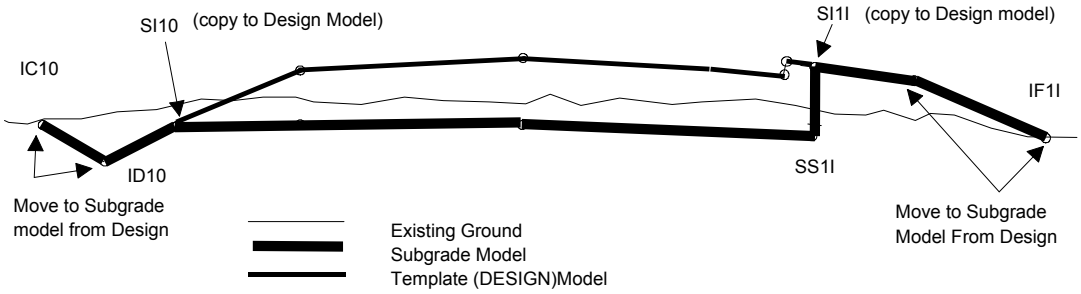
The following master INPUT files have been created to determine volumes:

C-V-XS-SG-Mnnn.INP - generates cut/fill volumes (between SUBGRADE and GROUND)
C-V-XS-TS-Mnnn.INP - generates ASCG volume (between DESIGN and SUBGRADE)*

* Note: You will have to subtract the pavement volume from the ASCG volumes generated with this file.

Step 1: Copy your Subgrade Interface Strings (SIxx) from the SUBGRADE model to your DESIGN model. (2 strings).

Step 2: MOVE (don't copy) all DESIGN Interface strings which are offset further from Centerline than the Subgrade Interface String from DESIGN to SUBGRADE model. (MOVE command is part of COPY Major Option). See Figure below:



Step 3: Cut Cross Sections for DESIGN Template, and SUBGRADE.

Step 4: Run either of the two Input Files described above to generate volumes/reports.